Blakely, Sokoloff, Taylor & Zafman LLP (714) 557-3800 Title: PROTECTED PLATFORM IDENTITY FOR DIGITAL SIGNING 1st Named Inventor: Paul C. Drews Application No.: 09/608,560 Docket No.: 42390P6758 MAY 1 7 2005 W Sheet: 1 of 8 Second Platform First Platform Digital Signature System 120 -Document or Data 102 Authentication Identifier 225 Fig. 1A Digital Signature 105 130 Protected Authentication Signature Generator 230 Public Key 103 Authentication Authentication Signature Verifier Identifier Generator

Blakely, Sokoloff, Taylor & Zafman LLP (714) 557-3800 Title: PROTECTED PLATFORM IDENTITY FOR DIGITAL SIGNING 1st Named Inventor: Paul C. Drews Application No.: 09/608,560 Docket No.: 42390P6758 Sheet: 2 of 8 MAY 1 7 2005 B Other Programs And Data 138 Slots 181™ Slots 161k ISA PCI 000 000 Identifier Generator Slots 1811 Slots 161<sub>1</sub> Authentication Program 130 ISA PCI **SA Bus 182** Signature Generator System Memory 132 Authentication Program 230 PCI-To-ISA Bridge 172 Protected I/O Ports 171 ← → Floppy 4-12 Mass Storage Primary PCI Bus 15 Device 173 Processor 101 Host Bridge Chipset 121 Bus Hard Disk ←→ CD ROM ↔ Host

Fig. 1B

Authentication

Protected

Data 102

Generator 230

Signature

Second Storage 220

Identifier 215

Authentication

Identifier 225

First Storage 210 Unique Platform

Fig. 2

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Private Key 315

Tracked Platform

Reporting Device 340

Platform - Specific Transformer 310

Authentication

Identifier 225

Identifier 215

Unique Platform Identifier 216

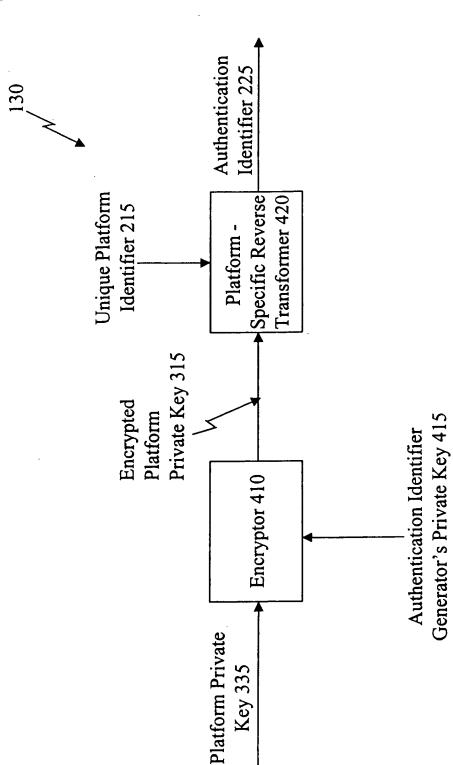
Encrypted Platform

Fig. 3

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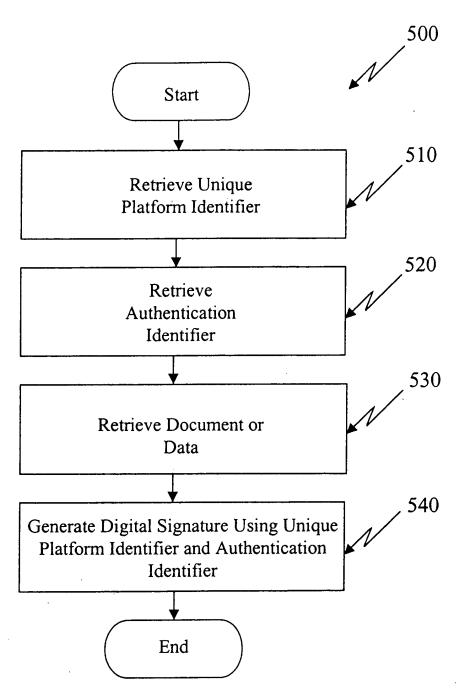


Fig. 5

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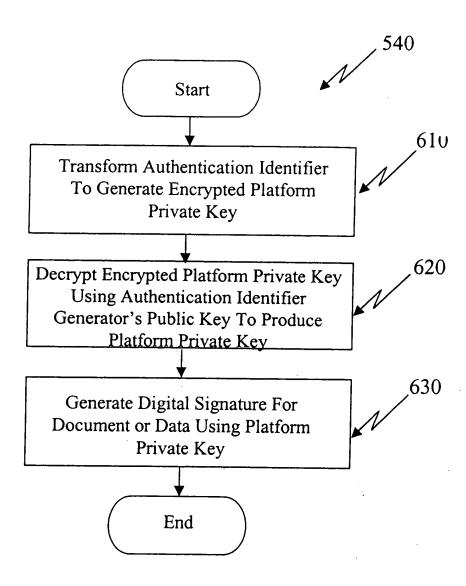


Fig. 6

MAY 1 7 2005 W

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